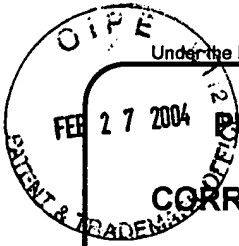


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POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM

Application Number	10/684,858
Filing Date	Oct. 14, 2003
First Named Inventor	Ernest L. Baker
Title	Method to Improve Perforation Shaped Charge
Art Unit	
Examiner Name	
Attorney Docket Number	012003-03

I hereby appoint:

☐ Practitioners associated with the Customer Number:

OR

☒ Practitioner(s) named below:

Name	Registration Number
Yale S. Finkle	27,547
Gregory P. Wirzbicki	27,606

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☐ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Yale S. Finkle			
Address	UNOCAL			
Address	P.O. Box 7600			
City	Brea	State	CA	Zip 92822-7600
Country	US			
Telephone	715 577-2642	Fax	714 577-1230	

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name	Arthur S. Daniels		
Signature			
Date	12/22/03	Telephone	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

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Filing Date	Oct. 14, 2003
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Title	Method to Improve Perforation Shaped Charge
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	Address	UNOCAL			
	Address	P.O. Box 7600			
	City	Brea	State	CA	Zip 92822-7600
	Country	US			
	Telephone	715 577-2642	Fax	714 577-1230	

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☐ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)
SIGNATURE of Applicant or Assignee of Record

Name	Ernest L. Baker				
Signature	<i>Ernest L. Baker</i>				
Date	12/22/03	Telephone	973 724 5097		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

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☐ The address associated with Customer Number:

OR

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Address	UNOCAL				
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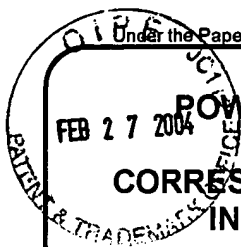
Name	John L. Burba, III		
Signature	<i>John L. Burba, III</i>		
Date	1/12/19/03	Telephone	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

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Address	P.O. Box 7600				
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Country	US				
Telephone	715 577-2642	Fax	714 577-1230		

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Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name	Robert R. Davis		
Signature	<i>Robert R. Davis</i>		
Date	11/21/03	Telephone	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted.

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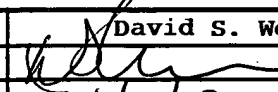
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<input checked="" type="checkbox"/>	Firm or Individual Name	Yale S. Finkle			
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	Address	P.O. Box 7600			
	City	Brea	State	CA	Zip 92822-7600
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	Telephone	715 577-2642	Fax	714 577-1230	

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SIGNATURE of Applicant or Assignee of Record

Name	David S. Wesson				
Signature					
Date	11/21/03			Telephone	817-3436845

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

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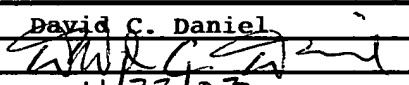
OR

<input checked="" type="checkbox"/> Firm or Individual Name	Yale S. Finkle				
Address	UNOCAL				
Address	P.O. Box 7600				
City	Brea	State	CA	Zip	92822-7600
Country	US				
Telephone	715 577-2642	Fax	714 577-1230		

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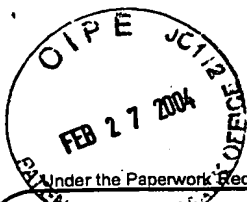
Name	David C. Daniel		
Signature			
Date	11/22/03	Telephone	281-778-7099

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☐

Declaration
Submitted
With Initial
Filing

OR

☒

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number

012003-03

First Named Inventor

Ernest L. Baker

COMPLETE IF KNOWN

Application Number

10/684,858

Filing Date

Oct. 14, 2003

Art Unit

Examiner Name

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD TO IMPROVE PERFORATING EFFECTIVENESS
USING A UNIQUE MULTIPLE POINT INITIATED SHAPED CHARGE PERFORATOR**

(Title of the Invention)

the specification of which

☐

is attached hereto

OR

☒

was filed on (MM/DD/YYYY)

10/14/2003

as United States Application Number or PCT International

Application Number

10/684,858

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date: (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>


☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/> Customer Number: <input type="text"/>				OR <input checked="" type="checkbox"/> Correspondence address below	
Name Yale S. Finkle					
Address UNOCAL P.O. Box 7600					
City Brea		State CA		ZIP 92822-7600	
Country US		Telephone 714 577-2642		Fax 714 577-1230	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Ernest L.				Family Name or Surname Baker	
Inventor's Signature					Date
Residence: City Wantage		State New Jersey		Country US	
				Citizenship US	
Mailing Address 86 Crigger Road					
City Wantage		State New Jersey		ZIP 07461	
				Country US	
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) David C.				Family Name or Surname Daniel	
Inventor's Signature 					Date 11/22/03
Residence: City Missouri City		State Texas		Country US	
				Citizenship US	
Mailing Address 3814 South Caulder Way					
City Missouri City		State Texas		ZIP 77459	
				Country US	
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the <u>2</u> supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.					

DECLARATION**ADDITIONAL INVENTOR(S)**

Supplemental Sheet

Page 3 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
David S.		Wesson	
Inventor's Signature			Date
Residence: City	Ft. Worth	State	Texas
		Country	US
Citizenship US			
Mailing Address 6366 Elm Crest Ct.			
Mailing Address			
City	Ft. Worth	State	Texas
		Zip	76132
		Country	US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
John L.		Burba III	
Inventor's Signature			Date
Residence: City	Boulder City	State	Nevada
		Country	US
Citizenship US			
Mailing Address 803 Lake Hill Drive			
Mailing Address			
City	Boulder City	State	Nevada
		Zip	89005
		Country	US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Arthur S.		Daniels	
Inventor's Signature			Date
Residence: City	Rockaway	State	New Jersey
		Country	US
Citizenship US			
Mailing Address 21 White Meadow Road			
Mailing Address			
City	Rockaway	State	New Jersey
		Zip	07866
		Country	US

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DECLARATION**ADDITIONAL INVENTOR(S)**

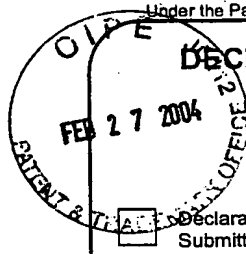
Supplemental Sheet

Page 4 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Robert E.		Davis	
Inventor's Signature		Date	
Residence: City	Joshua	State	Texas
Country	US	Citizenship	US
Mailing Address 1225 N. Main			
Mailing Address			
City	Joshua	State	Texas
Zip	76058	Country	US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
Country		Citizenship	
Mailing Address			
Mailing Address			
City		State	
Zip		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
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Country		Citizenship	
Mailing Address			
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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☐ Declaration
Submitted
With Initial
Filing

OR

☒ Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number	012003-03
First Named Inventor	Ernest L. Baker
COMPLETE IF KNOWN	
Application Number	10/684,858
Filing Date	Oct. 14, 2003
Art Unit	
Examiner Name	

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD TO IMPROVE PERFORATING EFFECTIVENESS
USING A UNIQUE MULTIPLE POINT INITIATED SHAPED CHARGE PERFORATOR**

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) **10/14/2003** as United States Application Number or PCT International

Application Number **10/684,858** and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

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Prior Foreign Application Number(s)	Country	Foreign Filing Date: (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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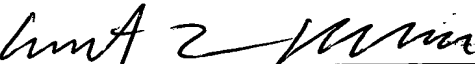
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[Page 1 of 2]

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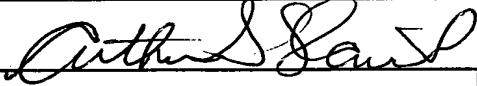
DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/> Customer Number: <input type="text"/>		OR <input checked="" type="checkbox"/> Correspondence address below	
Name Yale S. Finkle			
Address UNOCAL P.O. Box 7600			
City Brea	State CA	ZIP 92822-7600	
Country US	Telephone 714 577-2642	Fax 714 577-1230	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Ernest L.		Family Name or Surname Baker	
Inventor's Signature 			Date 12/22/03
Residence: City Wantage	State New Jersey	Country US	Citizenship US
Mailing Address 86 Crigger Road			
City Wantage	State New Jersey	ZIP 07461	Country US
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) David C.		Family Name or Surname Daniel	
Inventor's Signature			Date
Residence: City Missouri City	State Texas	Country US	Citizenship US
Mailing Address 3814 South Caulder Way			
City Missouri City	State Texas	ZIP 77459	Country US
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the <u>2</u> supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.			

DECLARATION**ADDITIONAL INVENTOR(S)**

Supplemental Sheet

Page 3 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
David S.		Wesson	
Inventor's Signature		Date	
Residence: City	Ft. Worth	State	Texas
		Country	US
Mailing Address 6366 Elm Crest Ct.			
Mailing Address			
City	Ft. Worth	State	Texas
		Zip	76132
		Country	US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
John L.		Burba III	
Inventor's Signature		Date	
Residence: City	Boulder City	State	Nevada
		Country	US
Mailing Address 803 Lake Hill Drive			
Mailing Address			
City	Boulder City	State	Nevada
		Zip	89005
		Country	US
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Given Name (first and middle (if any))		Family Name or Surname	
Arthur S.		Daniels	
Inventor's Signature 		Date 12/22/03	
Residence: City	Rockaway	State	New Jersey
		Country	US
Mailing Address 21 White Meadow Road			
Mailing Address			
City	Rockaway	State	New Jersey
		Zip	07866
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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet <div style="text-align: right;">Page <u>4</u> of <u>4</u></div>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Robert E.		Davis	
Inventor's Signature		Date	
Residence: City Joshua	State Texas	Country US	Citizenship US
Mailing Address 1225 N. Main			
Mailing Address			
City Joshua	State Texas	Zip 76058	Country US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	012003-03
		First Named Inventor	Ernest I. Baker
		COMPLETE IF KNOWN	
		Application Number	10/684,858
<input type="checkbox"/> Declaration Submitted With Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)		Filing Date	Oct. 14, 2003
		Art Unit	
		Examiner Name	

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			<input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Address UNOCAL P.O. Box 7600			
City Brea	State CA	ZIP 92822-7600	
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Given Name (first and middle (if any))		Family Name or Surname	
John L.		Burba III	
Inventor's Signature		Date	
		<i>John L. Burba 12/9/05</i>	
Residence: City	Boulder City	State	Nevada
		Country	US
Citizenship US			
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Robert E.		Davis	
Inventor's Signature			Date
Residence: City	Joshua	State	Texas
		Country	US
Citizenship US			
Mailing Address 1225 N. Main			
Mailing Address			
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		Zip	76058
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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**☐ Declaration
Submitted
With Initial
Filing

OR

☒ Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number	012003-03
First Named Inventor	Ernest L. Baker
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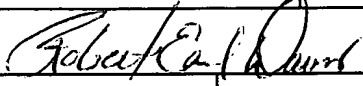
Page 3 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
David S.		Wesson	
Inventor's Signature 		Date 11-21-03	
Residence: City	Ft. Worth	State	Texas
		Country	US
Citizenship US			
Mailing Address 6366 Elm Crest Ct.			
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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>4</u> of <u>4</u>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Robert E.		Davis	
Inventor's Signature 		Date 11/14/03	
Residence: City Joshua	State Texas	Country US	Citizenship US
Mailing Address 1225 N. Main			
Mailing Address			
City Joshua	State Texas	Zip 76058	Country US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.